

Specifications:

Gene:	hGPR21
Accession:	NP_005285
Insert size:	1063bp
Package size:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

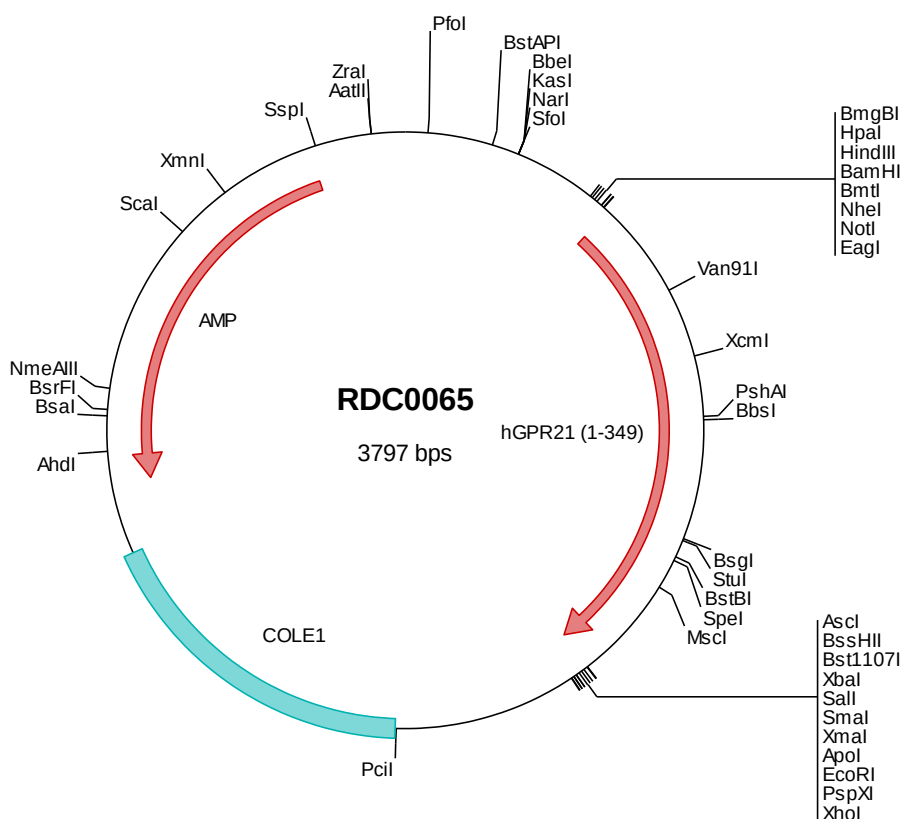
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

hGPR21 cDNA Plasmid

GPR21 G protein-coupled receptor 21 [*Homo sapiens*]

Summary:

GPR21 is a G protein-coupled receptor (GPR). GPRs, also known as seven transmembrane receptors, heptahelical receptors or 7TM receptors, comprise a superfamily of proteins that play a role in many different stimulus-response pathways. G protein coupled receptors translate extracellular signals into intracellular signals (G protein activation) and they respond to a variety of signaling molecules, such as hormones and neurotransmitters. GPR21 is a 349 amino acid multi-pass membrane protein that functions as an orphan receptor and belongs to the GPR1 family.





> RDC0065 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgttaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaagtgtct caagcgatt aagtgggta acgccagggt tttccagtc acgacgtgtg aaaacgacgg ccagtgatt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgccacc atgaactcaa ccttggaagg taatcagagc agccaccctt tttgcctctt
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3701 cgcacatttc ccgaaaaagt gccacctgac gtctaagaaa ccattattat catgacatta acctataaaa ataggcgat cagcagggcc tttcgtc

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> RDC0065 Translated Insert Sequence

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101  tcqifgfvvs vlksvsmasl acisidryia itkpltyntl vtpwrlrlci fliwlystlv flpsffhwgk pyghgdvfgw caeswhtdsy ftlfivmmly
201  apaalivcft yfnifricqg htkdiserqa rfssqsgetg evqacpdkry amvlfritsv fyi1wlp1yi yflls1stgh snrfasfltt wlaisnsfcn
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